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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,646	02/05/2004	Ashok Mantravadi	030262	7644
23696 OUALCOMM	7590 05/19/200 INCORPORATED	EXAMINER		
5775 MOREHOUSE DR.			YUN, EUGENE	
SAN DIEGO,	CA 92121		ART UNIT	PAPER NUMBER
			2618	
			NOTIFICATION DATE	DELIVERY MODE
			05/19/2009	ELECTRONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

us-docketing@qualcomm.com kascanla@qualcomm.com nanm@qualcomm.com

# Supplemental Notice of Allowability

Application No.	Applicant(s)			
10/773,646	MANTRAVADI ET A	L.		
Examiner	Art Unit			
FUGENE YUN	2618			

2002.	2010
The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. Tof the Office or upon petition by the applicant. See 37 CFR 1.313 and MPI	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiative
<ol> <li>This communication is responsive to <u>printer rush filed 4/28/2009</u>.</li> </ol>	
2. The allowed claim(s) is/are <u>1-36</u> .	
3.	belived.  Delived in Application No  have been received in this national stage application from the munication to file a reply complying with the requirements has application.  The the attached EXAMINER'S AMENDMENT or NOTICE OF (s) why the oath or declaration is deficient.  The proving Review (PTO-948) attached ment / Comment or in the Office action of bould be written on the drawings in the front (not the back) of according to 37 CFR 1.121(d).  DLOGICAL MATERIAL must be submitted. Note the
Attachment(s) 1.  Notice of References Cited (PTO-892) 2.  Notice of Draftperson's Patent Drawing Review (PTO-948) 3.  Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Date

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### DETAILED ACTION

#### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes
and/or additions be unacceptable to applicant, an amendment may be filed as provided
by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be
submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Stanton Braden on 5/13/2009.

The specification has been amended as follows:

[0046] The derivation of the channel frequency response estimate H^b based on received pilot symbols for pilot subbands is described in detail in commonly assigned U.S. Patent Application Serial No. [[Attorney Docket No. 030287]]10/741.524, entitled "Channel Estimation for Spectrally Shaped OFDM Communication System," filed [xxx]12/19/2003. The vector H^b may also be derived in other manners, such as with a minimum mean square error (MMSE) technique.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUGENE YUN whose telephone number is (571)272-7860. The examiner can normally be reached on 9:00am-6:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571)272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eugene Yun Primary Examiner Art Unit 2618

/Eugene Yun/ Primary Examiner, Art Unit 2618 /E. Y./ Primary Examiner, Art Unit 2618